

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	60	600/340.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:28
L2	40	("3638640"   "3648685"   "4407290"   "4479499"   "4564355"   "4700708"   "4759369"   "4813421"   "4836206"   "4865038"   "4869254"   "Re31815").PN. OR ("5040539").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/03 07:40
L3	67560	shockwave or ultrasound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:41
L4	3	1 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:41
L5	248977	acoustic or acoustically	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:41
L6	7	1 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:42
L7	10	(US-20040220484-\$ or US-20030167002-\$ or US-20040116985-\$ or US-20010023057-\$ or US-20020026127-\$ or US-20030010898-\$).did. or (US-6584341-\$ or US-6670115-\$ or US-4836206-\$ or US-5040539-\$). did.	US-PGPUB; USPAT	OR	ON	2006/08/03 08:26
L8	575967	polar or polariz\$3 or polarization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:44

## EAST Search History

L9	0	7 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:44
L10	4	8 and 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:45
L11	2118428	frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:45
L12	29	1 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:45
L13	337323	ultrasound or ultrasonic or ultrasonically	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:50
L14	248977	acoustic or acoustically	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:51
L15	220396	piezo-acoustic or piezo-electric or piezoelectric or piezoacoustic or Fabray-Perot or ultrasound adj (sensor or detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:51
L16	699328	L15 or 13 or 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:51
L17	1167431	detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:51
L18	15097	16 near3 17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:51

## EAST Search History

L19	5313239	light or laser or LED or optical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:51
L20	2447	18 same 19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:52
L21	667930	tooth or teeth	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:52
L22	96	20 and 21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 07:52
L23	26	("4408602"   "4836203"   "5003977"   "5071417"   "5098427"   "5139494"   "5325393"   "5387211"   "5505724"   "5746735").PN. OR ("5873875"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/03 08:01
L24	12034	erythema	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:26
L25	3163	L24 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:27
L26	41	24 same 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:27
L27	1	25 and 18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:28

## EAST Search History

L28	1145	18 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:28
L29	891	19 and 28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:30
L30	327	20 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:31
L31	46	20 same 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:35
L32	41	24 same 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:41
L33	8346	fiberoptic or fiberoptically	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:42
L34	739	17 same 33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:42
L35	419	17 with 33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:43
L36	12	18 same 33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:49
L37	76003	16 near3 transducer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:49

## EAST Search History

L38	19	37 with 33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:53
L39	12173	Fabry-Perot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:53
L40	50	33 same 39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 08:58
L41	130182	modulat\$4 near2 frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 09:02
L42	20442	19 with 41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 09:03
L43	2	("20040073374").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 09:06
L44	169221	Khz or kilohertz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 09:06
L45	1296	42 same 44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 09:07
L46	523693	tissue	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 09:07
L47	19	45 same 46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 09:14

## EAST Search History

L48	250614	MHz or megahertz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 09:14
L49	1413	42 same 48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 09:14
L50	158	46 and 49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 09:18
L51	713806	tooth or teeth or dentin or enamel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 09:18
L52	8	50 and 51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 09:18
S1	2	("6862542").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/26 07:31
S2	11989	erythema	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:40
S3	271106	inflammation or inflamed or infection or infected	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:41
S4	667038	tooth	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:41
S5	1280	S2 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:41

## EAST Search History

S6	6318	S2 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:41
S7	6439	S5 or S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:41
S8	1945256	LED or laser or (light adj source)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:41
S9	219856	piezo-acoustic or piezo-electric or piezoelectric or piezoacoustic or Fabray-Perot or ultrasound adj (sensor or detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:42
S10	258	S7 and S8 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:44
S11	507834	blood or hemaglobin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:45
S12	22874	absorption near coefficient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:45
S13	10	S10 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:51
S14	739967	modulated or modulation or modulating or modulate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:52
S15	242	S10 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:52

## EAST Search History

S16	1159	S6 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:53
S17	1280	S5 or S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:53
S18	160	S17 and S8 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:53
S19	157	S18 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 07:53
S20	157	S11 and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:16
S21	4539	(S2 or S3) same S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:17
S22	150	S21 and S8 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:27
S23	2113385	frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:48
S24	369	S2 same S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:48
S25	13	S24 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:50



## EAST Search History

S26	4630921	detector or detecting or detected or sense or sensor or sensing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:50
S27	41027	S9 with S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:50
S28	10026	S8 and S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:50
S29	145	S12 and S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:32
S30	712870	tooth or teeth or enamel or dentin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:33
S31	1945256	LED or laser or (light adj source)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:33
S32	219856	piezo-acoustic or piezo-electric or piezoelectric or piezoacoustic or Fabray-Perot or ultrasound adj (sensor or detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:10
S33	22874	absorption near coefficient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:33
S34	4630921	detector or detecting or detected or sense or sensor or sensing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:51
S35	41027	S32 with S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:33

## EAST Search History

S36	10026	S31 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:33
S37	145	S33 and S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:33
S38	3	S37 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:36
S39	141	erythema with S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:37
S40	110	S31 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:39
S41	1	S40 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:39
S42	50	S40 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:39
S43	50	S42 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:44
S44	71189	tooth near3 surface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:47
S45	11989	erythema	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:47

## EAST Search History

S46	271106	inflammation or inflamed or infection or infected	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:47
S47	276777	S45 or S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:47
S48	666	S31 with S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:48
S49	11	S47 same S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:49
S50	4952959	detector or detecting or detected or sense or sensor or sensing or detection or sensed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:52
S53	21184	S50 with S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 11:54
S54	71	S53 same S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:05
S55	2113385	frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:05
S56	55103	enamel or dentin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:06
S57	231	S55 with S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:06

## EAST Search History

S58	4	S33 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:06
S59	0	("2005/0100866").URPN.	USPAT	OR	ON	2006/07/26 12:10
S60	2740	enamel and dentin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:10
S61	53416	enamel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:10
S62	6380	dentin or dentine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:10
S63	222	S55 with S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:10
S64	17	S55 with S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:11
S65	5	S63 and S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:18
S66	8	(US-20040116985-\$ or US-20020026127-\$ or US-20030010898-\$ or US-20030167002-\$ or US-20040220484-\$ or US-20010023057-\$).did. or (US-6670115-\$ or US-6584341-\$). did.	US-PGPUB; USPAT	OR	ON	2006/07/26 12:18
S67	697034	absorption	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:19

## EAST Search History

S68	6	S66 and S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:35
S69	12143	Fabry-Perot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:35
S70	0	S66 and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:35
S71	158391	polarized	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:37
S72	0	S66 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:37